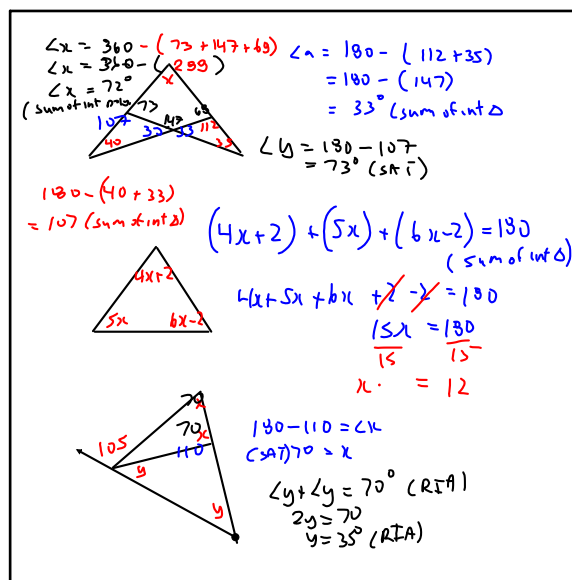


Nov 23-8:28 AM



Nov 23-8:28 AM

6.3 Angles and Polygons p. 368-372

- Regular Polygons
- External Angles of Polygons
- Interior Angle of Polygons- Formula

May 13-7:16 AM

Regular Polygon



Pentagon

Regular
Pentagon

Equilateral Triangle

May 13-8:30 AM

Penta-5

hexagon-6

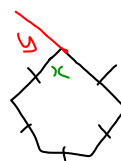
heptagon-7

octagon - 8

nonagon - 9

decagon -10

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All exterior angles of any polygon
are equal to 360° .

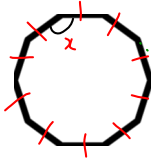
$$\frac{360}{5} = 72^\circ$$

$\angle y = 72^\circ$ (sum of ext polygon)

$$\begin{aligned}\angle x &= \text{interior angle} \\ &= 180 - 72 \\ &= 108 \text{ (SA)}\end{aligned}$$

May 13-8:36 AM

Decagon



$$P = (180)(n - 2) \quad n = \# \text{ of sides}$$

$$P = (180)(10 - 2)$$

$$P = 180(8)$$

$$P = 1440$$

$$\underline{10}$$

$$\angle \text{int} = 144^\circ \text{ (int } \angle \text{ of polygon)}$$

May 13-8:42 AM

Hmk. p. 371-372 q. 1,2,5,7& 10

May 13-7:18 AM